



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

Sunshine Windows Manufacturing, Inc.

1745 W. 33rd Place

Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "1650 (XOX)" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **HR08-02**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX) Impact Resistant Glass", sheets 1 through 6 of 6, dated 07/21/08, with revision #1 dated 03/09/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 08-0820.12 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
5/10/12

NOA No. 12-0320.01
Expiration Date: August 19, 2013
Approval Date: May 17, 2012
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **HR08-02**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX) Impact Resistant Glass" Sheets 1 through 6 of 6, dated 07/21/08, with revision #1 dated 03/09/12, prepared by manufacturer, signed and sealed by Frank Hernandez, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94, (#6 aggregate gravel)
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with .34" laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5352**, dated 12/07/07, signed and sealed by Carlos Rionda, P.E. (*Submitted under previous NOA#07-0810.06*)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, dated 07/15/08, prepared, signed and sealed by Francisco Hernandez, P.E.
(*Submitted under previous NOA#08-0820.12*)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

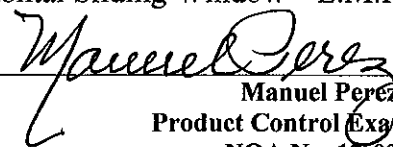
1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 12, 2012, signed and sealed by Francisco Hernandez, P.E.

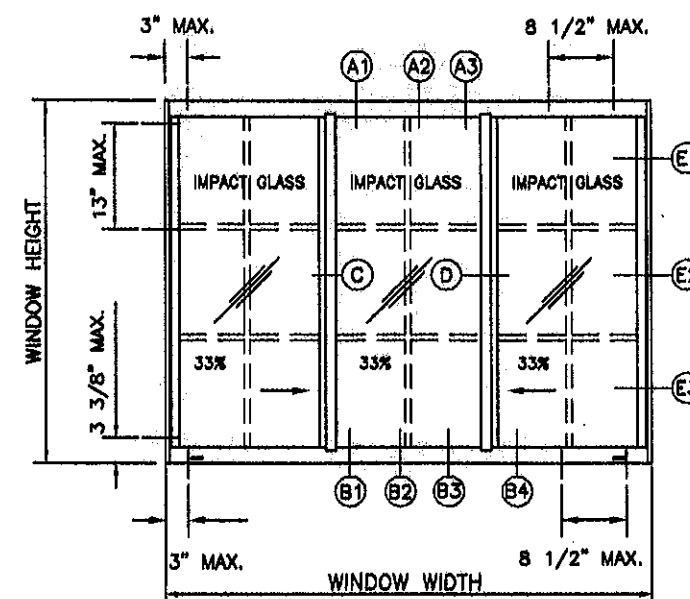
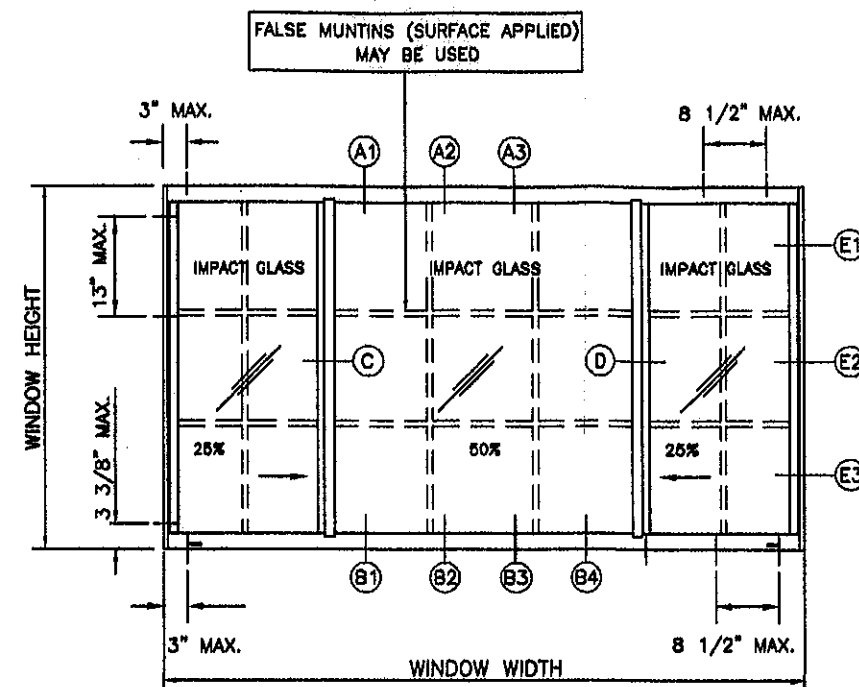
G. OTHER

1. Notice of Acceptance No. **08-0820.12**, issued to Sunshine Windows Manufacturing, Inc. for their Series 1650 (OXO) Aluminum Horizontal Sliding Window – L.M.I., approved on 09/25/08 and expiring on 08/19/13.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0320.01
Expiration Date: August 19, 2013
Approval Date: May 17, 2012

DESIGN PRESSURE CHART - PSF						
SERIES-1650						
ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)						
IMPACT RESISTANT GLASS						
WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS NOT REQUIRED		
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	EXTERIOR (+)	INTERIOR (-)	
STANDARD SIZES	74"	9	3	60.00	60.00	
	108 1/4"	13		60.00	60.00	
	111"	14		60.00	60.00	
	74"	9	4	60.00	60.00	
	108 1/4"	13		60.00	60.00	
	111"	14		60.00	60.00	
	74"	9	5	60.00	60.00	
	108 1/4"	13		60.00	60.00	
	111"	14		60.00	60.00	
	74"	9	6	60.00	60.00	
108 1/4"	13	56.00		56.00		
111"	14	56.80		56.80		
MODULAR SIZES	72"	9	3	60.00	60.00	
	84"	11		60.00	60.00	
	96"	12		60.00	60.00	
	108"	13		60.00	60.00	
	72"	9	4	60.00	60.00	
	84"	11		60.00	60.00	
	96"	12		60.00	60.00	
	108"	13		60.00	60.00	
	72"	9	5	60.00	60.00	
	84"	11		60.00	60.00	
	96"	12		60.00	60.00	
	108"	13		60.00	60.00	
	72"	9	6	60.00	60.00	
	84"	11		60.00	60.00	
	96"	12		60.00	60.00	
	108"	13		56.40	56.40	

IMPACT RESISTANT WINDOWS



GENERAL NOTES:

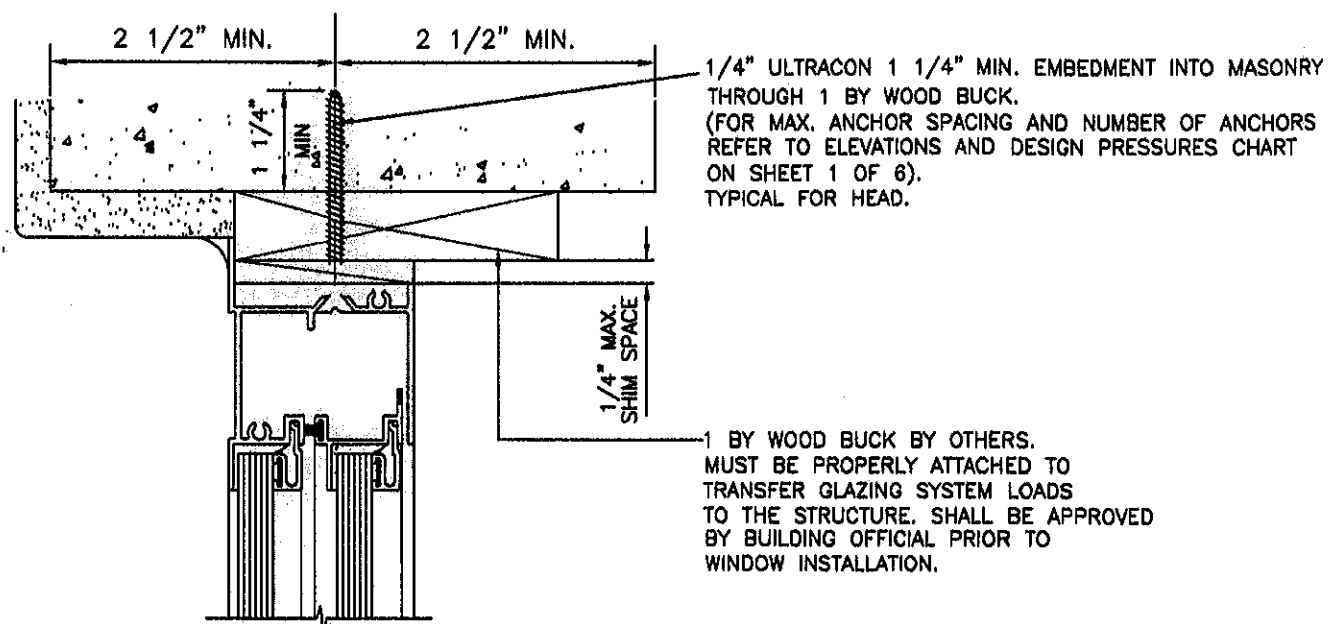
GLASS:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0320.01
Expiration Date AUG. 19, 2013
By Manned Perez
Miami/Dade Product Control

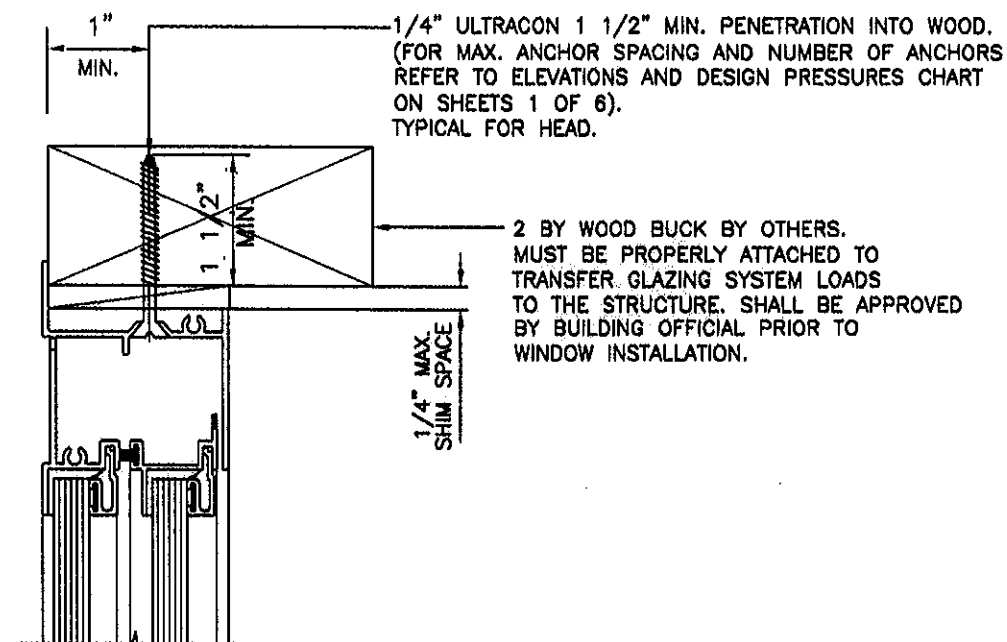
**Sunshine Windows
Manufacturing, Inc.**
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9852
Fax:(305)828-5118

No	DATE	REVISION
1	03-09-12	UPDATED FOR 2010 FBC

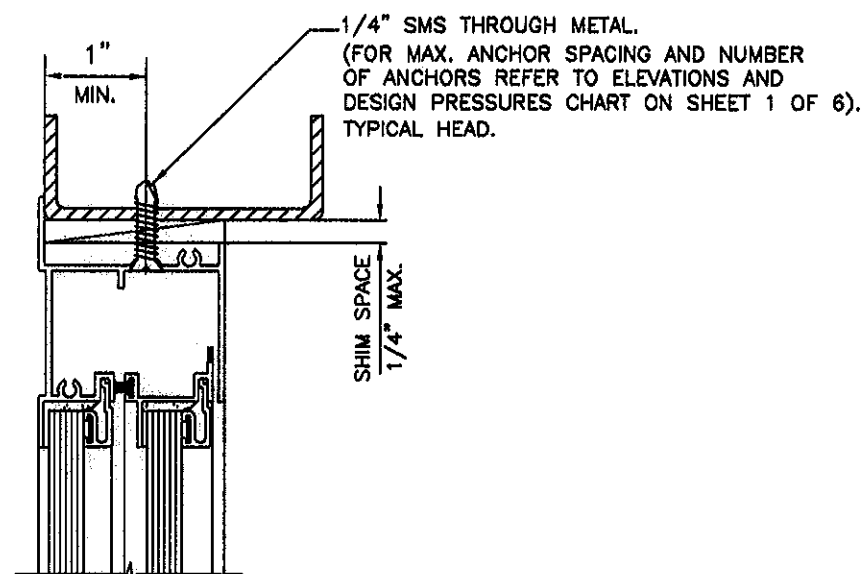
DRAWING No.
HS08-02
DATE: 07-21-08
SCALE: 1/2"=1"
SHEET 1 OF 6



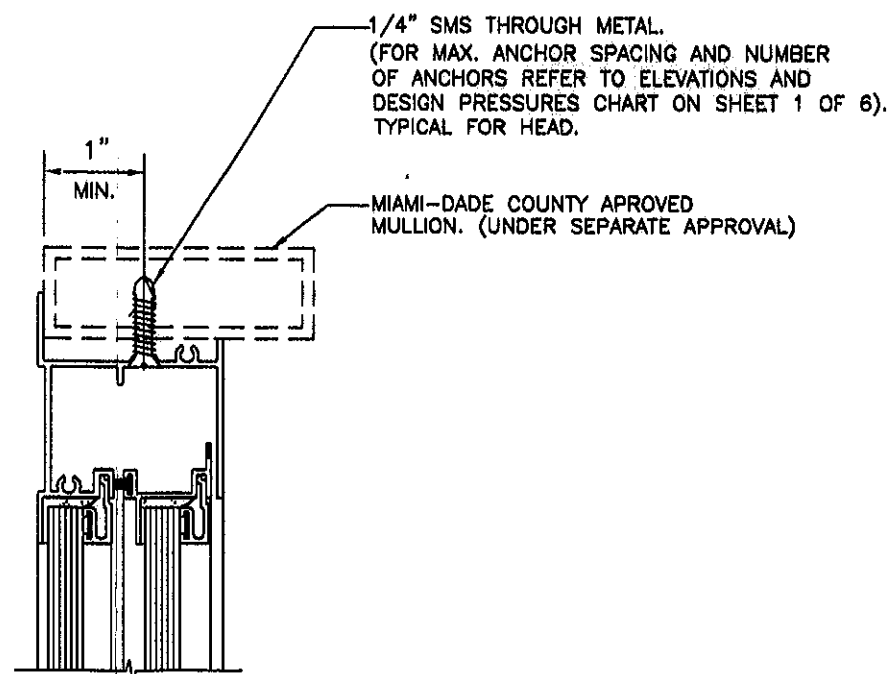
DETAIL A1
ATTACHMENT TO MASONRY



DETAIL A2
ATTACHMENT TO WOOD



DETAIL A3
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

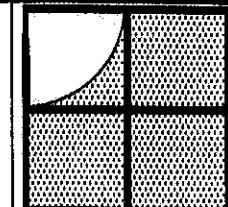


DETAIL A4
ATTACHMENT TO MULLION

TYPICAL HEAD SECTIONS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0320.01
Expiration Date AUG. 19, 2013
By *Manuel Perez*
Miami Dade Product Control

Francisco Hernandez
3-12-12
FRANCISCO HERNANDEZ
FLORIDA, PE # 51393

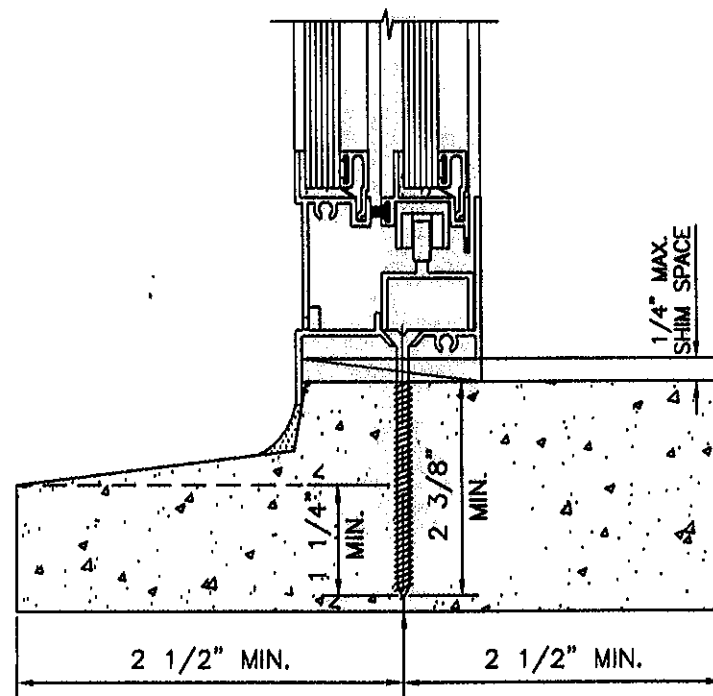


Sunshine Windows
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SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)
IMPACT RESISTANT GLASS

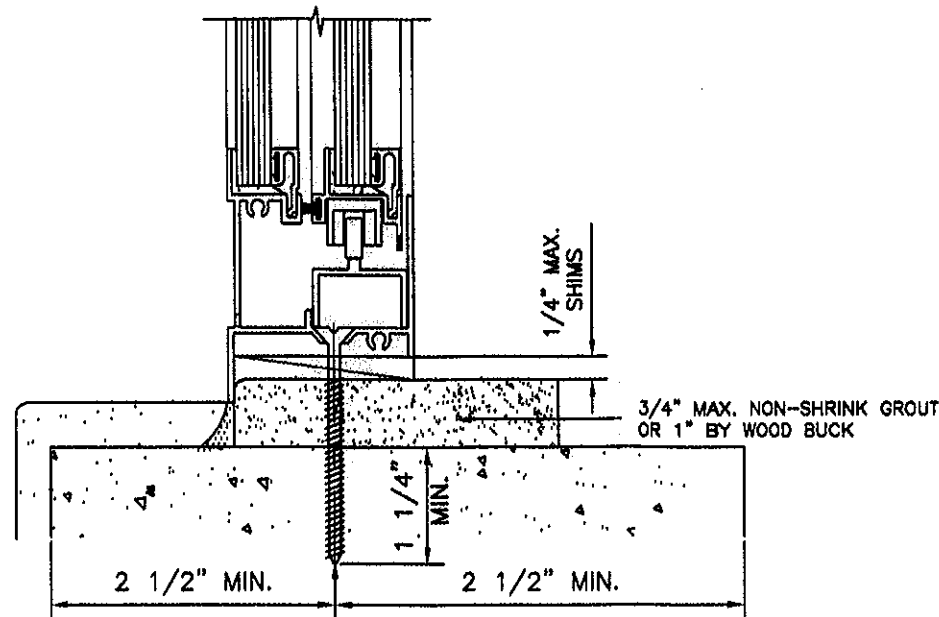
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1	03-09-12	UPDATED FOR 2010 FBC

DRAWING No.
HR08-02
DATE: 07-21-08
SCALE: 1/2"=1"
SHEET 2 OF 6



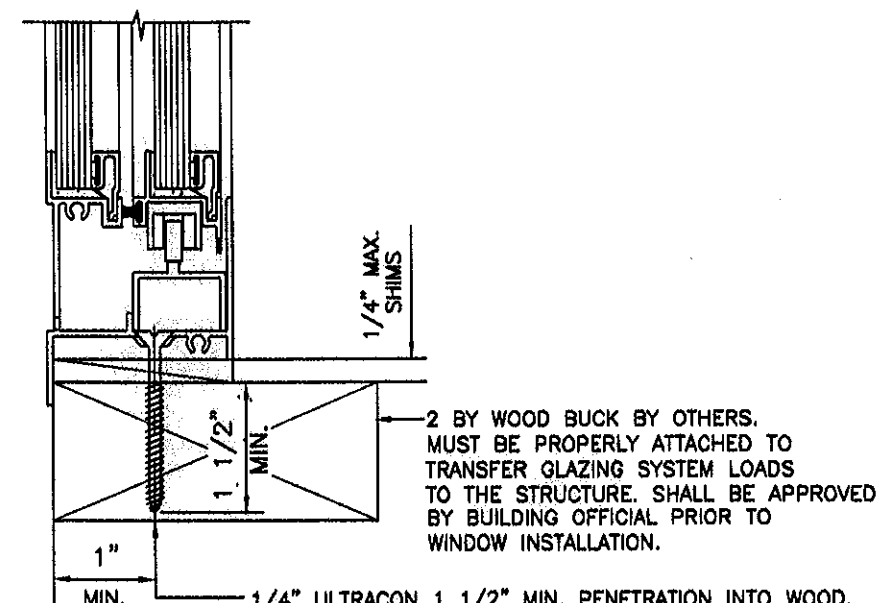
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 1 OF 6). TYPICAL FOR SILL ONLY.

DETAIL B1
ATTACHMENT TO PRE-CAST SILL



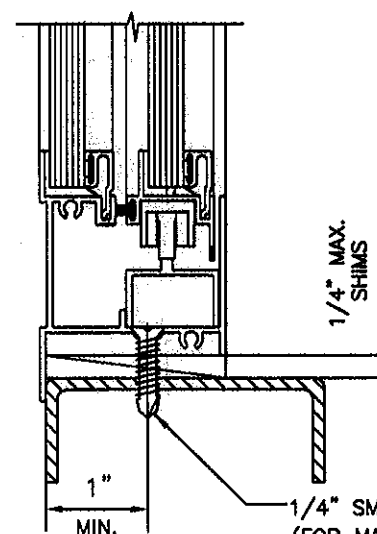
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY THROUGH 1" BY WOOD BUCK OR NON-SHRINK NON-METALLIC GROUT (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 1 OF 6). TYPICAL FOR SILL ONLY.

DETAIL B4
ATTACHMENT TO MASONRY



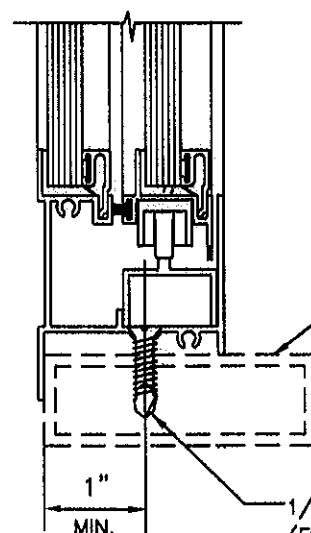
1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 1 OF 6). TYPICAL FOR SILL.

DETAIL B2
ATTACHMENT TO WOOD



1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 1 OF 6). TYPICAL FOR SILL.

DETAIL B3
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUM. 1/8" MIN. THICKNESS)



MIAMI-DADE COUNTY APPROVED MULLION. (UNDER SEPARATE APPROVAL)
1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 1 OF 6). TYPICAL FOR SILL.

DETAIL B5
ATTACHMENT TO MULLION
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

TYPICAL SILL SECTIONS

Sunshine Windows
Manufacturing, Inc.

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**SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)
IMPACT RESISTANT GLASS**

NO	DATE	REVISION
1	03-09-12	UPDATED FOR 2010 FBC

DRAWING No.
HR08-02

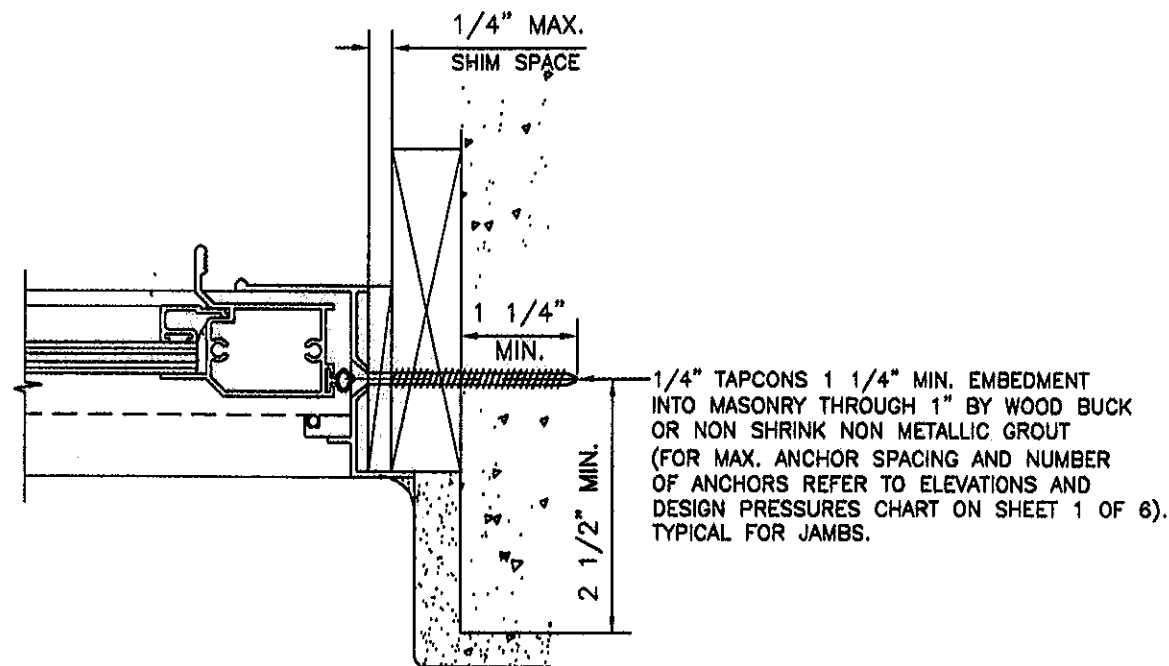
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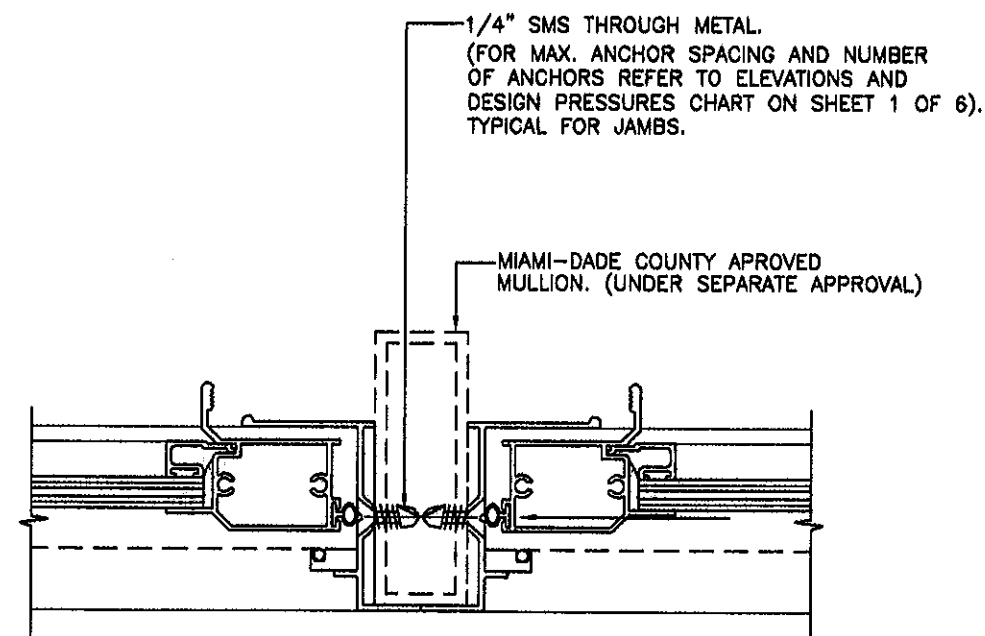
SHEET 3 OF 6

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 12-0320.01
Expiration Date AUG. 19, 2013
By *Manuel Perez*
Miami Dade Product Control

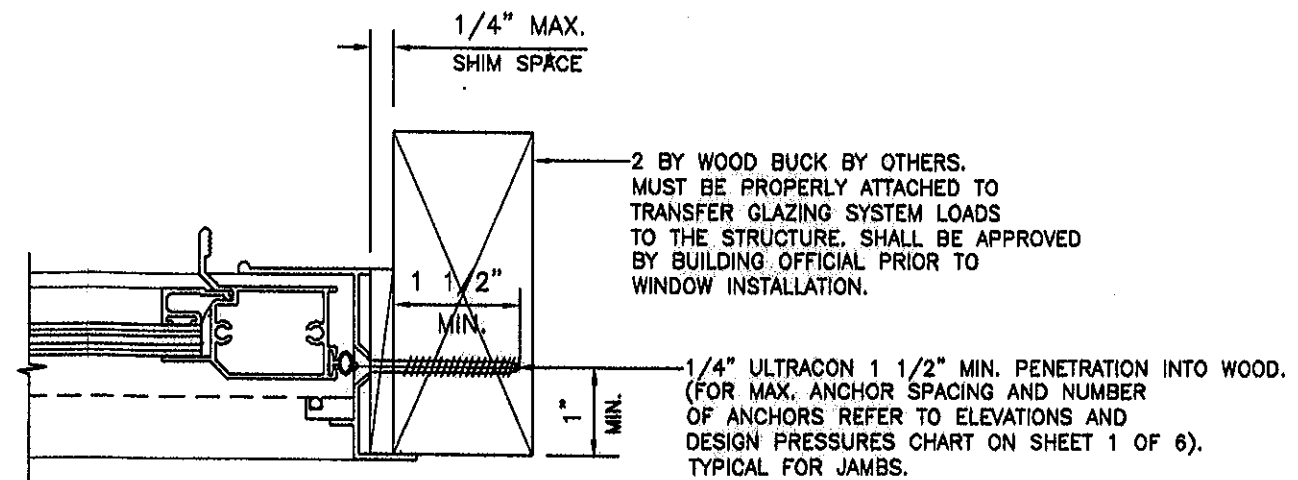
Francisco Hernandez
3-12-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



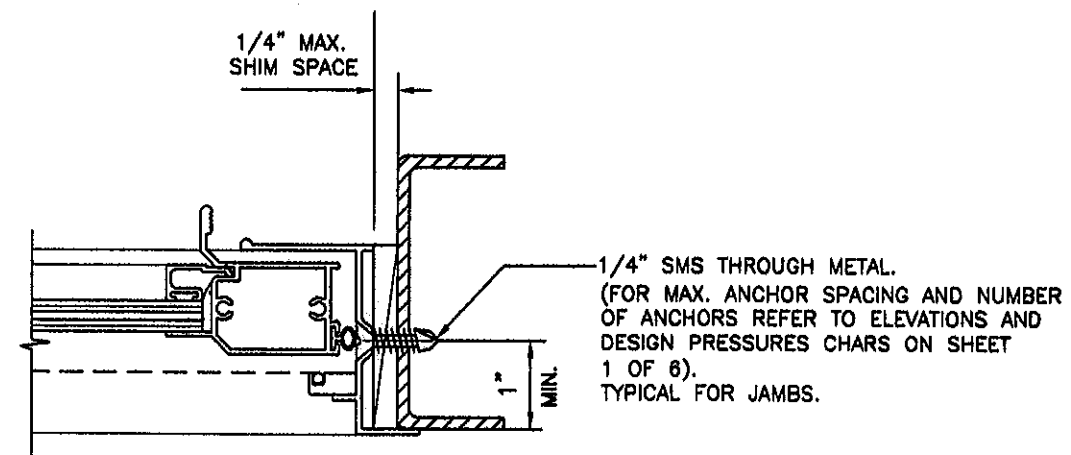
DETAIL E1
ATTACHMENT TO MASONRY



DETAIL E4
ATTACHMENT TO MULLIONS DETAIL

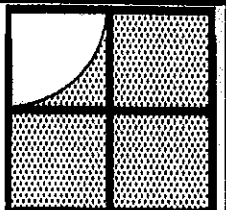


DETAIL E2
ATTACHMENT TO WOOD



DETAIL E3
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

TYPICAL JAMB SECTIONS



Sunshine Windows
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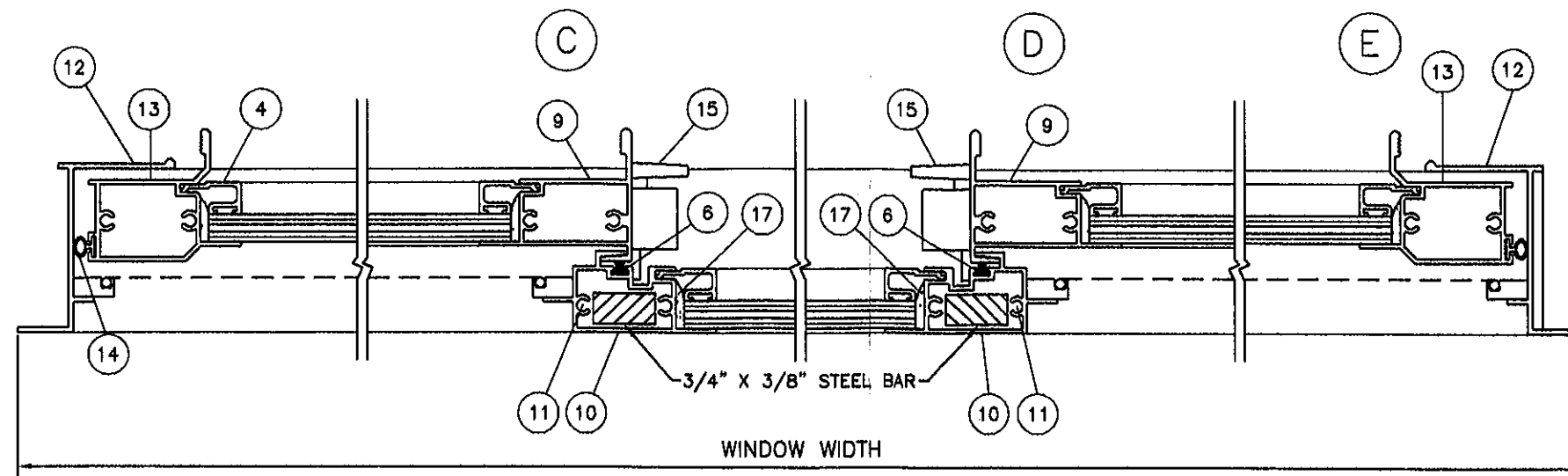
SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)
IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-09-12	UPDATED FOR 2010 FBC

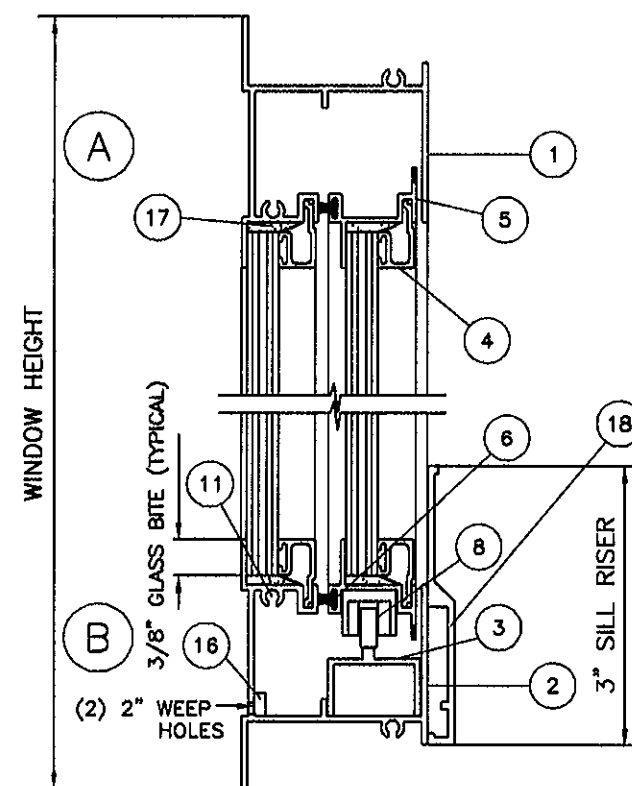
DRAWING No.
HR08-02
DATE: 07-21-08
SCALE: 1/2"=1"
SHEET 4 OF 6

PRODUCT REVISED
as complying with the Florida
Building Code
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Expiration Date AUG. 19, 2013
By *Manuel Hernandez*
Miami Dade Product Control

FH
3-12-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



HORIZONTAL SECTION (X0X)



VERTICAL SECTION WITH SILL RISER

**Sunshine Windows
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Fax:(305)828-5118

**SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)
IMPACT RESISTANT GLASS**

No	DATE	REVISION
1	03-09-12	NO CHANGE THIS SHEET

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0320.01
Expiration Date Aug. 19, 2013
By Maurice Perez
Miami/Dade Product Control

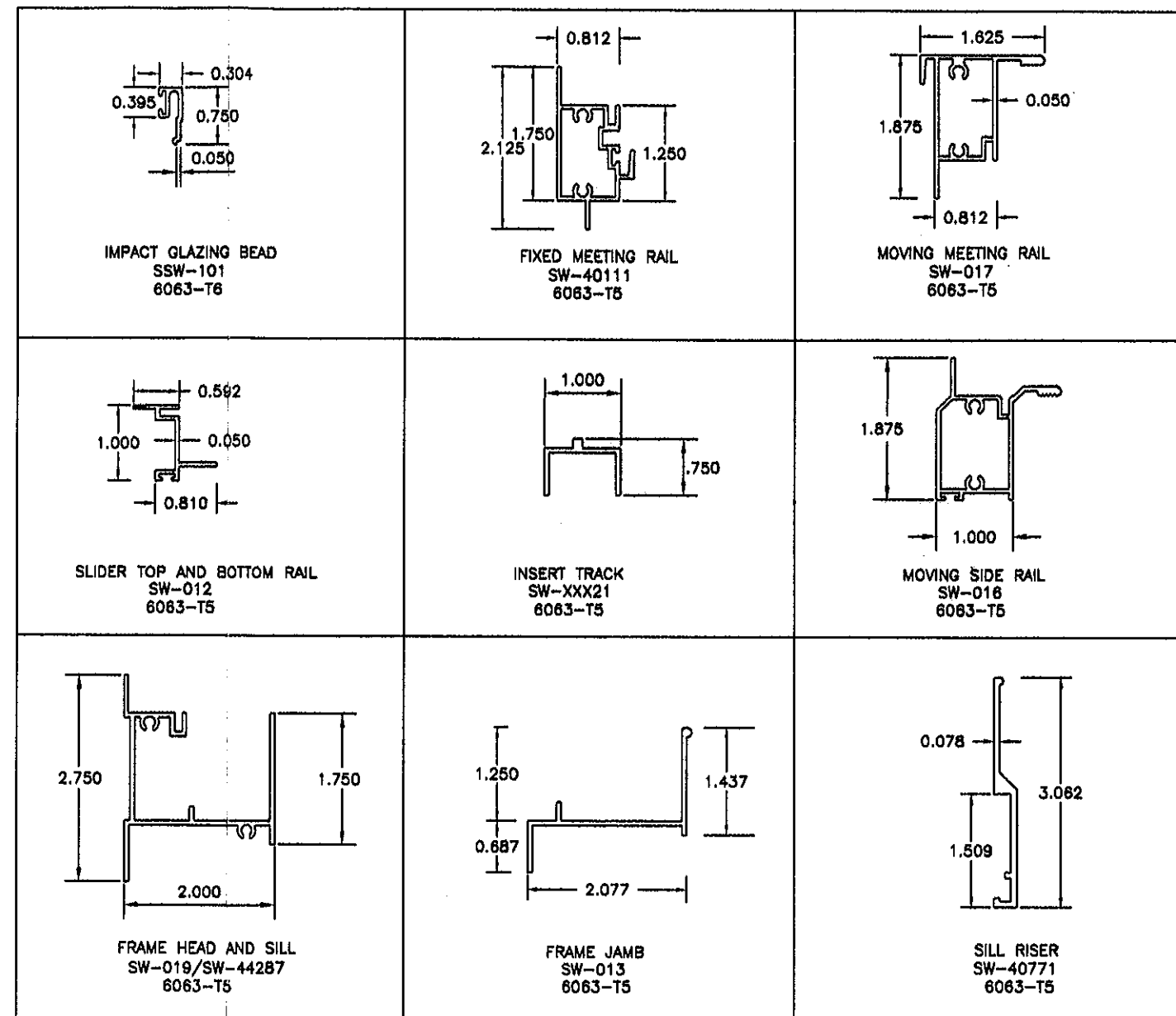
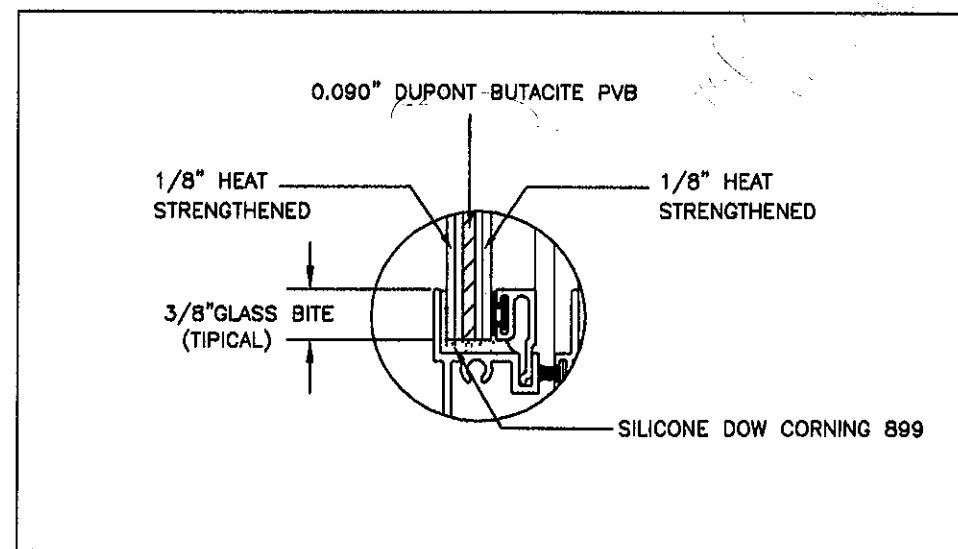
3-12-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

DRAWING No.
HR08-02
DATE: 07-21-08
SCALE: 1/2"=1"
SHEET 5 OF 6

MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-019	1	FRAME HEAD	6063-T5
2	SW-019	1	FRAME SILL	6063-T5
3	SWxxx21	1	INSERT TRACK	6063-T5
4	SSW-101	AS RQD	IMPACT GLAZING BEAD	6063-T6
5	SW-012	2/VENT	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2/VENT	WHEEL	BRASS
9	SW-017	1/VENT	MOVING MEETING RAIL	6063-T5
10	SW40111	2	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
12	SW-013	2	JAMB	6063-T5
13	SW-016	1/VENT	MOVING SIDE RAIL	6063-T5
14	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
15	SW-667	AS RQD	LATCH	ZINC
16	SW-S10	2/SILL	RETICULATED FILTER	FOAM
17	-	AS RQD	SILICONE	DOW CORNING 899
18	SW40771	1	SILL RISER	6063-T5

GLAZING DETAIL



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IMPACT RESISTANT GLASS

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Miami Dade Product Control

FHJ
3-12-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

NO	DATE	REVISION
1	03-09-12	NO CHANGE THIS SHEET

DRAWING No.
HR08-02
DATE: 07-21-08
SCALE: 1/2"=1"
SHEET 6 OF 6